

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

WHAT IS CLAIMED IS?

1. – 19. (Cancelled)

20. (New) A radio base station comprising:

a monitor;

a memory, the memory being connected to the monitor and arranged for storing tasks and data; and

one or more resources, each of the resources being connected to the monitor and arranged for at least one of performing a function and executing a program, wherein the tasks are stored in an XML format.

21. (New) The radio base station according to claim 20, wherein the resources that are arranged to execute a program are also arranged to generate trigger signals and send them to the monitor, the monitor being arranged to receive the trigger signals, to read one or more tasks related to the trigger signals from the memory, to check whether resources required for performing the task are available and sending commands to selected resources specifying the task to be performed.

22. (New) The radio base station according to claim 20, wherein connections between the memory and the monitor, and between the resources and the monitor are implemented by means of a bus.

23. (New) The radio base station according to claim 22, wherein the resources are arranged for mutual communication via the bus.

24. (New) The radio base station according to claim 23, wherein using the bus is based on a datagram principle.

25. (New) The radio base station according to claim 20, wherein the memory comprises a task memory and a data memory.

26. (New) The radio base station according to claim 20, wherein the monitor comprises a state machine sequencer adapted to handle several state machines in parallel.

27. (New) The radio base station according to claim 26, wherein the memory comprises a ROM portion and a RAM portion, the ROM portion adapted to store state machine definitions for the state machine sequencer, task definitions and default structures, and the RAM portion adapted to store dynamic data.

28. (New) The radio base station according to claim 27, wherein the RAM portion is adapted to store a resource allocation table, a data block list, and data blocks.

29. (New) The radio base station according to claim 28, wherein the monitor comprises an executor arranged for sending commands to resources, sending task block requests to memory, receiving status information from resources, receiving task blocks from memory and maintaining the resource allocation table.

30. (New) The radio base station according to claim 20, wherein the monitor comprises an executor arranged for sending commands to resources, sending task block requests to memory, receiving status information from resources and receiving task blocks from memory.

31. (New) The radio base station according to claim 20, wherein the resources comprises at least one selected from the group consisting of a transmitter, a receiver,

an analog signal manifold, a digital to analog converter, an analog to digital converter, a control unit, and a digital signal processor.

32. (New) The radio base station according to claim 31, wherein the resources comprise at least one digital signal processor storing an executable image for performing a program.

33. (New) The radio base station according to claim 20, wherein the XML defined tasks comprise bricks created with document template definitions.

34. (New) The radio base station according to claim 20, wherein the XML defined tasks comprise at least one of: task name, priority, definitions of resources required, definitions of channels between resources, definitions of data blocks to be used, definition of commands for resources, definitions of code segments to be used by processors of resources, and status of resources.

35. (New) The radio base station according to claim 15, wherein the definitions of data blocks have the following structure definition:

STRUCTUREDEFINITION.DTD

<!ELEMENT structuredefinition (structurename, structureblock)>

<!ELEMENT structurename (# BLOCKNAME)>

<!ELEMENT structureblock (#TEXT)>

BLOCKLIST.XML

<structuredefinition>

<structurename> blocklist </structurename>

<structureblock>

"Contents of block in text"

< /structureblock>

</structuredefinition>

36. (New) The radio base station according to claim 20, as used in a mobile communications network.

37. (New) A method of operating a radio base station having a monitor, memory and one or more resources, the memory being connected to the monitor and adapted to store XML defined tasks and data, each of the resources being connected to the monitor, the method comprising the steps of:

- at least one of, performing a function and executing a program by the resources;
- reading one or more XML defined tasks from the memory;
- checking whether resources required for performing the one or more XML defined tasks are available; and
- sending commands to selected resources specifying a XML defined task to be performed.

38. (New) The method of claim 37, further comprising
generating, by the resources that are arranged to execute a program, trigger signals;

- sending the trigger signals to the monitor, the monitor being arranged to receive the trigger signals;

- reading one or more tasks related to the trigger signals from the memory, to check whether resources required for performing the task are available; and

- sending commands to selected resources specifying the task to be performed.

39. (New) A computer program product adapted to be executed by a processor of a radio base station having a monitor, memory and one or more resources, the memory being connected to the monitor for storing XML defined tasks and data, each of the resources being connected to the monitor, the computer program product comprising means to store instructions and data to be loaded by the radio base station, the computer program product, after being loaded, allowing the monitor to read one or more XML defined tasks from the memory, check whether resources required for

performing the one or more XML defined tasks are available and send commands to selected resources specifying a XML defined task to be performed.

40. (New) The computer program product of claim 18, implemented as a data carrier.